

CLAIMS

1. A write once optical recording medium comprising a recording layer and a light transmitting protective layer formed successively on a supporting body, for recording and reproduction by irradiating a laser beam of

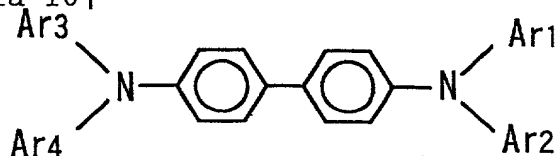
a 380 to 450 nm wavelength from the light transmitting protective layer side,
characterized in that

$$\lambda_{\max} \leq 370 \text{ nm}$$

on the premise that the wavelength providing the peak optical absorption coefficient of the recording layer is defined to be λ_{\max} .

2. The write once optical recording medium according to claim 1, characterized in that the recording layer contains a compound represented by the below-mentioned [chemical formula 10]:

[Chemical Formula 10]

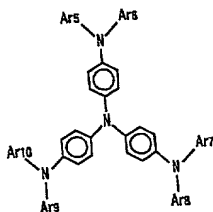


(wherein each of Ar₁, Ar₂, Ar₃, Ar₄ are a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, or a substituted or unsubstituted biphenyl

group, that may be the same or different.)

3. The write once optical recording medium according to claim 1, characterized in that the recording layer contains a compound represented by the below-mentioned [chemical formula 11]:

[Chemical Formula 11]



(wherein each of Ar₅, Ar₆, Ar₇, Ar₈, Ar₉, Ar₁₀ are a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, or a substituted or unsubstituted biphenyl group, that may be same or different.)

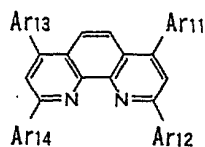
4. The write once optical recording medium according to claim 1, characterized in that said recording layer contains C_n (wherein, n is an integer of 60 or more capable of obtaining a geometrically spherical compound).

5. The write once optical recording medium according to claim 4, characterized in that n of said C_n is 60.

6. The write once optical recording medium according to claim 1, characterized in that said recording layer contains a compound represented by the below-mentioned [Chemical Formula

12]:

[Chemical Formula 12]



(wherein each of Ar₁₁, Ar₁₂, Ar₁₃, Ar₁₄ are a substituted or unsubstituted phenyl group, a substituted or unsubstituted naphthyl group, or a substituted or unsubstituted biphenyl group, that may be the same or different.)